

**Notice of Allowability****Application No.**

10/072,776

**Examiner**

Phillip H. Nguyen

**Applicant(s)**

MANZOLATI, RICHARD J.

**Art Unit**

2191

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 5/14/2008.
2. ☒ The allowed claim(s) is/are 1,5,6,8,12,13,15,19,20 and 25-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.  
**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

**DETAILED ACTION**

1. This action is in response to the amendment filed 5/14/2008.
2. Claims 1, 5, 6, 8, 12, 13, 15, 19, 20, 25-33 are allowed.

***Examiner's Amendment***

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Examiner on 8/11/2008 contacted applicant's representative to seek examiner's amendment. During the telephone interview with applicant's representative, the examiner indicated that claims 2 and 7 must be incorporated into claim 1 in order to further clarify the claimed invention. Similar concepts are also applied to other independent claims 8 and 15. Authorization for this examiner's amendment was given in a telephone interview with Mr. Pryor (Reg. No. 48,103) on 8/11/2008.

Claims 1, 8, and 15 has been further amended below; claims 2, 7, 9, 14, 16, and 21 have been canceled.

1. (Currently Amended) A method for optimizing performance of at least one operation performed by an apparatus, comprising:

interrogating one part of a plurality of parts being coupled to adjustable power supplies within the apparatus, each of said parts including a respective information component comprising memory and a processor;

receiving, from the information component of the interrogated, information about the one part transmitted from the information component of the one part;

determining if any other of the plurality of parts need to be interrogated;

interrogating each of the determined other parts to receive information about each of the other parts from the respective information components of the other parts;

determining instructions for optimizing the at least one operation of the apparatus based on the received information; ~~and~~

transmitting the instructions to the information component of at least one interrogated part for execution by the processor to optimize the at least one operation;

**identifying the at least one operation being optimized;**

**comparing for at least one of the interrogated parts, the received**

**information about the part against stored information to obtain a difference; and**

**using the difference to determine the instructions for optimizing the at least one operation.**

8. (Currently Amended) A computer readable medium having stored thereon instructions for optimizing performance of an operation performed by an apparatus which, when executed by a processor, cause the processor to perform the steps of:

interrogating one part of a plurality of parts being coupled to adjustable power supplies within the apparatus, each of said parts including a respective information component comprising memory and a processor;

receiving, from the information component of the interrogated part, information about the one part transmitted from the information component of the one part;

determining if any other of the plurality of parts need to be interrogated;

interrogating each of the determined other parts to receive information about each of the other parts from the respective information components of the other parts;

determining instructions for optimizing the at least one operation of the apparatus based on the received information; **and**

transmitting the instructions to the information component of at least one interrogated part for execution by the processor to optimize the at least one operation;

**identifying the at least one operation being optimized;**

**comparing, for at least one of the interrogated parts, the received information about the part against stored information to obtain a differences; and**  
**using the differences to determine the instructions for optimizing the at least one operation.**

15. (Currently Amended) An apparatus comprising;

a plurality of parts being coupled to adjustable power supplies within the apparatus, each said part including a respective information component comprising

memory, a processor and a transceiver, said memory having stored therein data about the at least one part;

an interrogation system that interrogates one of the parts of the apparatus for the data stored in the memory of the part;

a determination system that determines if any other of the plurality of parts are involved in the operation and need to be interrogated by the interrogation system for the data stored in their respective memories; **and**

an optimization processing system that receives the data, which was stored in the memory and transmitted from the transceiver of the information component of each interrogated part, determines instructions for optimizing at least one operation of apparatus based on the received data, and transmits the instructions to the transceiver of the information component of at least one interrogated part for execution by the processor of the information component; **and**

**an identification system that identifies that at least one operation being optimized;**

**wherein the optimization processing system compares the received information about the at least one of the interrogated parts against stored information to obtain a difference and uses the difference to determine the instructions for optimizing the at least one operation.**

Claims 2, 7, 9, 14, 16, and 21 (Cancelled).

***Examiner's Statement of Reason(s) for Allowance***

4. The following is an examiner's statement of reasons for allowance:

The prior arts of record (i.e. USPN 6,486,769 and USPN 5,398,257), taken alone or in combination fail to teach or reasonably suggest in combination with other claimed limitations *interrogating one part of a plurality of parts being coupled to adjustable power supplies within the apparatus, each of said parts including a respective information component comprising memory and a processor* as recited in claim 1. Similar concepts are found in other independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phillip H. Nguyen whose telephone number is (571) 270-1070. The examiner can normally be reached on Monday - Thursday 10:00 AM - 3:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PN  
8/12/2008

/Wei Zhen/  
Supervisory Patent Examiner, Art Unit 2191